

# Comparisons of Job Characteristics

**Focus Occupation: Food Scientists and Technologists (19-1012)**

**Associated Occupation: Agricultural Inspectors (45-2011)**

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

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<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 46

**Focus Occupation: Food Scientists and Technologists (19-1012)**

**Associated Occupation: Agricultural Inspectors (45-2011)**

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Law and Government	5.9	11.7	10.0	< Expanded education and/or training may be required
Public Safety and Security	6.9	11.4	6.9	<< Extensive education and/or training may be required
Biology	3.7	9.4	16.8	>> Current knowledge level is likely more than sufficient
Food Production	2.1	8.0	15.9	>> Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 93

**Focus Occupation: Food Scientists and Technologists (19-1012)**

**Associated Occupation: Agricultural Inspectors (45-2011)**

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Quality Control Analysis	5.9	12.8	10.5	< A higher skill level may be required
Monitoring	9.9	12.4	12.3	0 Current skill level may be sufficient
Systems Analysis	6.5	9.2	10.5	> Skill level is likely sufficient
Science	4.5	8.9	9.0	0 Current skill level may be sufficient
Systems Evaluation	6.4	8.8	9.7	> Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 85

Focus Occupation: Food Scientists and Technologists (19-1012)

Associated Occupation: Agricultural Inspectors (45-2011)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Problem Sensitivity	11.1	14.3	13.9	0	Current ability level may be sufficient
Near Vision	11.1	12.9	12.2	0	Current ability level may be sufficient
Flexibility of Closure	7.8	12.0	9.4	<	Some improvement in abilities may be required
Far Vision	7.8	10.6	7.9	<<	Extensive improvement in abilities may be required
Perceptual Speed	7.4	10.2	9.0	<	Some improvement in abilities may be required
Speed of Closure	5.9	8.2	6.7	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 74

Focus Occupation: Food Scientists and Technologists (19-1012)

Associated Occupation: Agricultural Inspectors (45-2011)

Work Activities	Exclusivity of Activity
Determine the quality of food or beverages	92
Prepare reports	8
Recommend improvements to work methods or procedures	64
Record test results, test procedures, or inspection data	48
Use quality assurance techniques	61

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 18

Focus Occupation: Food Scientists and Technologists (19-1012)

Associated Occupation: Agricultural Inspectors (45-2011)

Tools and Technologies	Exclusivity
Computers	1
Content authoring and editing software	1
Data management and query software	1

Light and wave generating and measuring equipment	4
Pipettes and liquid handling equipment and supplies	16
Sampling equipment	12
Spectroscopic equipment	10
Viewing and observing instruments and accessories	4
Weight measuring instruments	7

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.